

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110524\
 Data File : VN084682.D
 Acq On : 05 Nov 2024 12:59
 Operator : JC\MD
 Sample : P4704-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 06 00:29:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

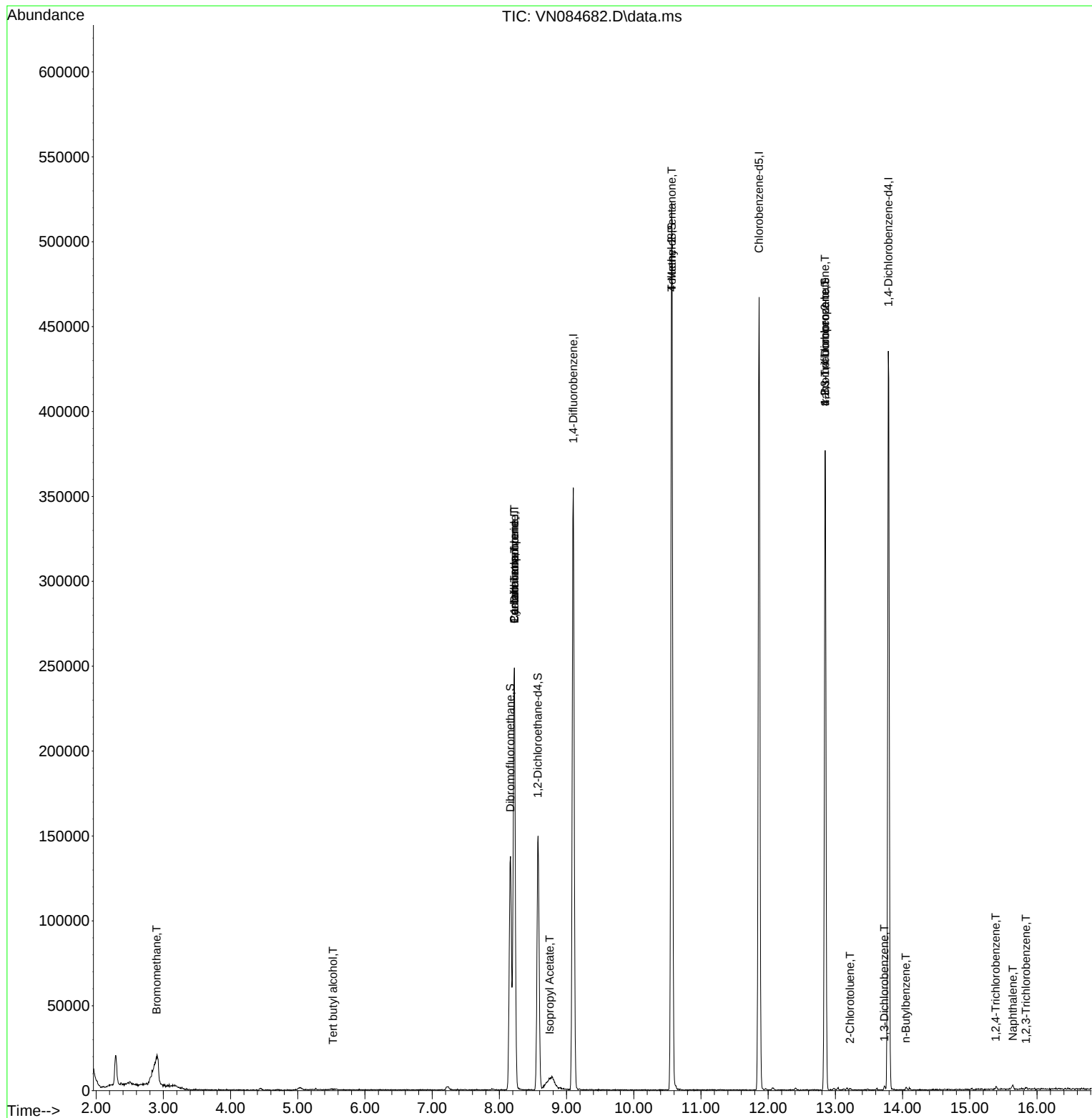
Internal Standards						
1) Pentafluorobenzene	8.224	168	179267	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	125169	48.342	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.680%
35) Dibromofluoromethane	8.165	113	101414	48.343	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.680%
50) Toluene-d8	10.565	98	353686	45.769	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.540%
62) 4-Bromofluorobenzene	12.847	95	132173	45.765	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.520%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	765	Below Cal	#	41
5) Bromomethane	2.900	94	423	0.360	ug/l #	30
6) Chloroethane	3.124	64	216	Below Cal	#	45
11) Tert butyl alcohol	5.524	59	136	0.398	ug/l #	73
16) Acetone	4.430	43	738	Below Cal		92
18) Methyl Acetate	5.024	43	3256	Below Cal	#	77
31) Cyclohexane	8.224	56	3712	1.038	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	13996	4.811	ug/l #	50
38) Carbon Tetrachloride	8.224	117	18842	5.794	ug/l #	15
43) Isopropyl Acetate	8.747	43	10935	1.302	ug/l #	56
51) 4-Methyl-2-Pentanone	10.565	43	1531	0.608	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	66486	28.385	ug/l #	1
79) 2-Chlorotoluene	13.217	91	1265	0.201	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.847	75	66486	67.340	ug/l #	11
87) 1,3-Dichlorobenzene	13.729	146	1017	0.236	ug/l	97
88) 1,4-Dichlorobenzene	13.729	146	1017	Below Cal		97
89) n-Butylbenzene	14.047	91	1441	0.236	ug/l #	72
93) 1,2,4-Trichlorobenzene	15.388	180	765	0.338	ug/l #	74
95) Naphthalene	15.641	128	3132	0.462	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.835	180	656	0.298	ug/l #	77

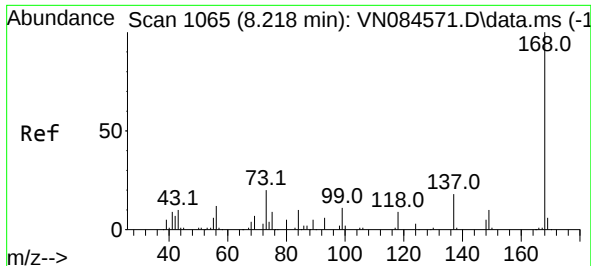
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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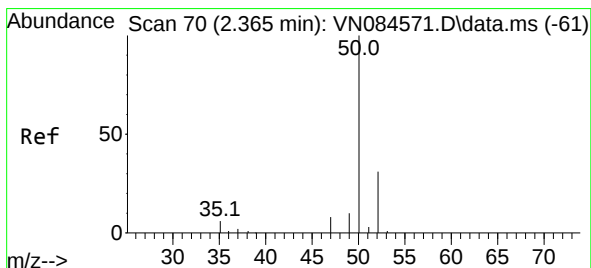
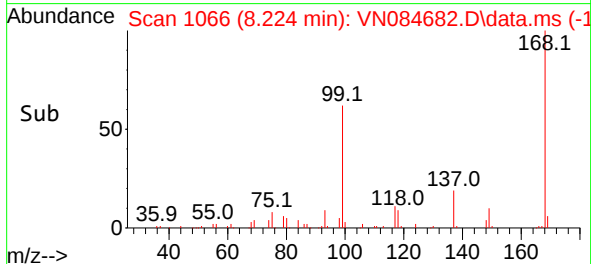
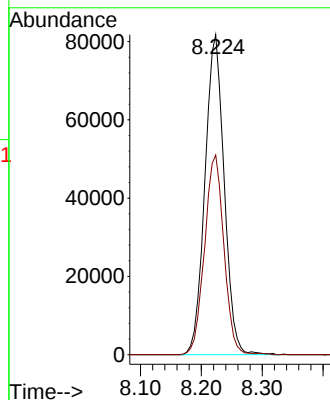
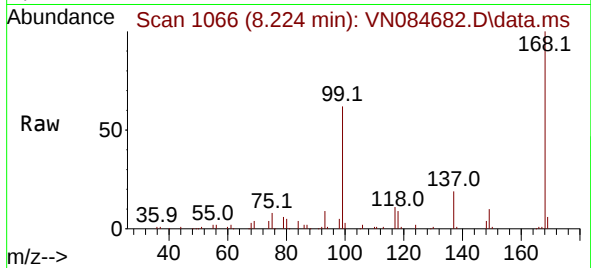




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

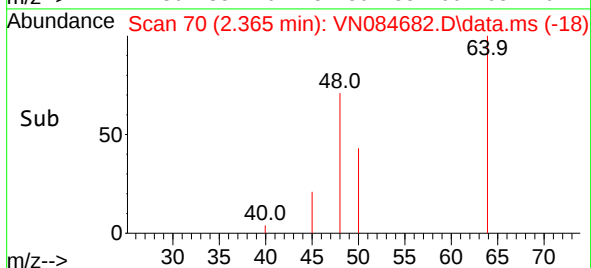
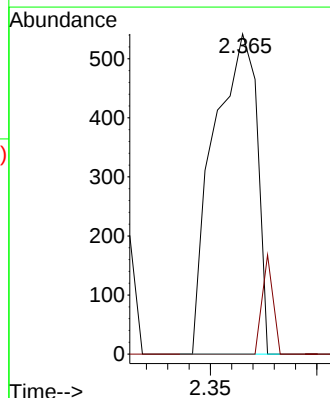
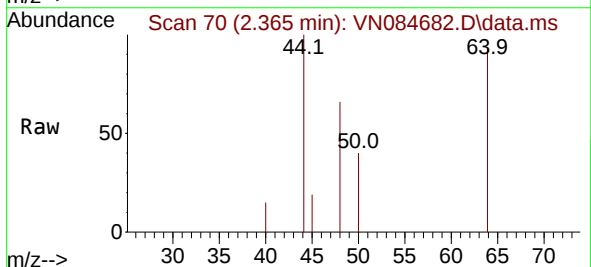
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:168 Resp: 179267
Ion Ratio Lower Upper
168 100
99 62.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

Tgt Ion: 50 Resp: 765
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

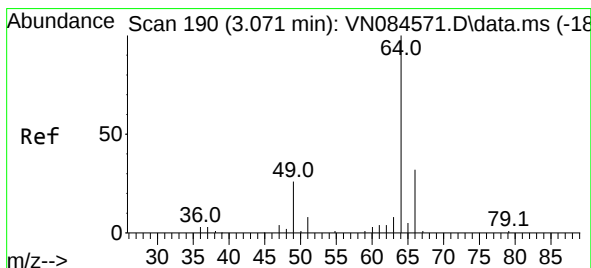
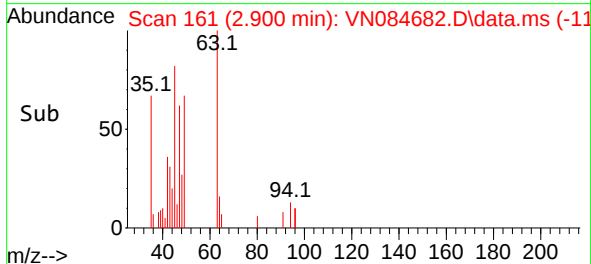
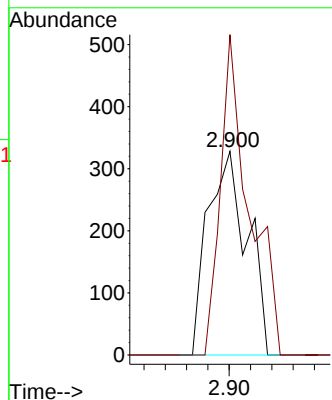
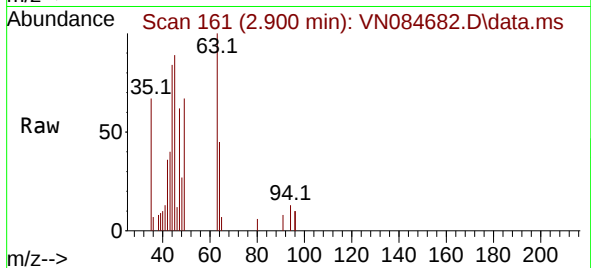




#5
Bromomethane
Concen: 0.360 ug/l
RT: 2.900 min Scan# 11
Delta R.T. -0.053 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

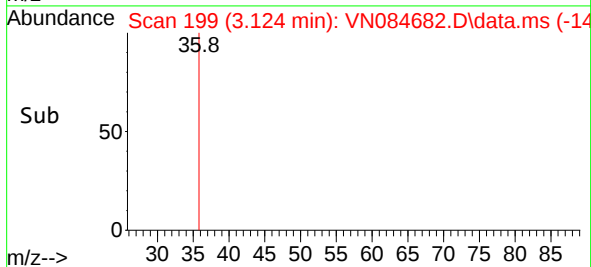
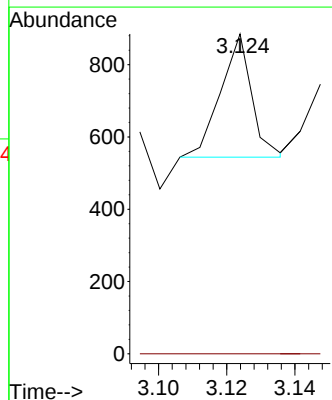
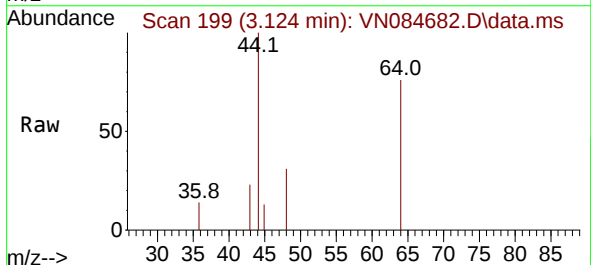
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 423
Ion Ratio Lower Upper
94 100
96 157.3 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

Tgt Ion: 64 Resp: 216
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#





#11

Tert butyl alcohol

Concen: 0.398 ug/l

RT: 5.524 min Scan# 609

Delta R.T. -0.000 min

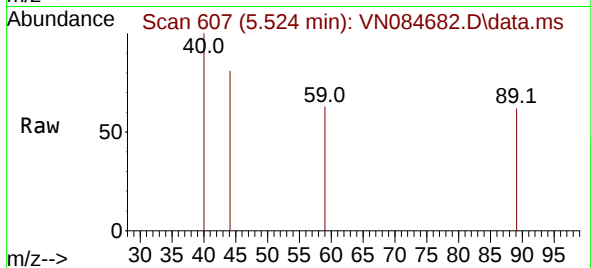
Lab File: VN084682.D

Acq: 05 Nov 2024 12:59

Instrument :

MSVOA_N

ClientSampleId :

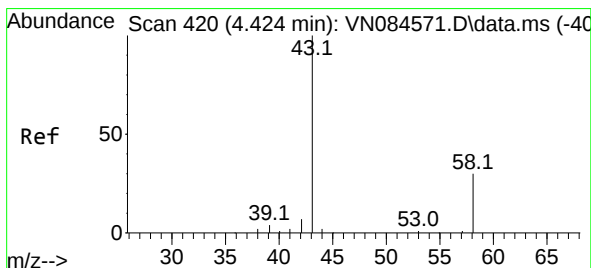
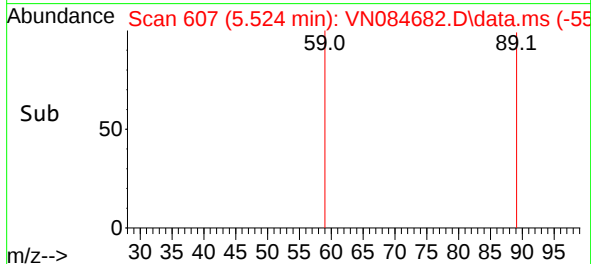
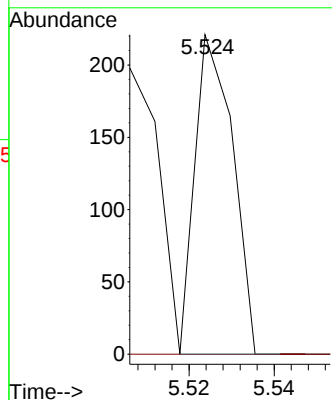


Tgt Ion: 59 Resp: 136

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: Below Cal

RT: 4.430 min Scan# 421

Delta R.T. 0.006 min

Lab File: VN084682.D

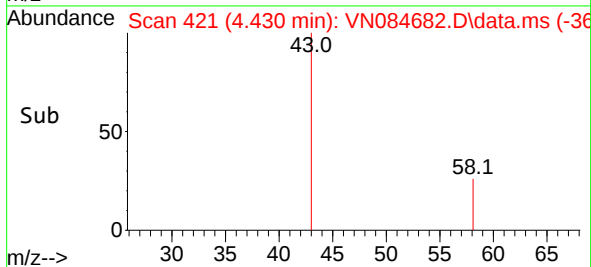
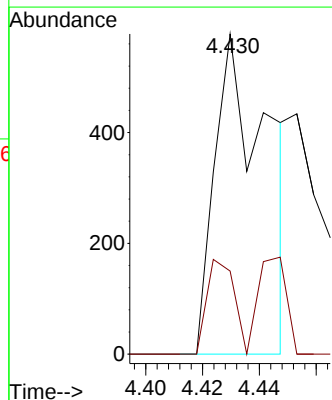
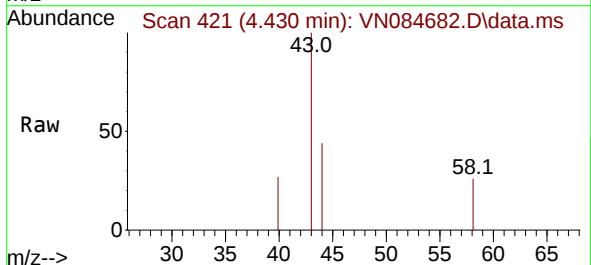
Acq: 05 Nov 2024 12:59

Tgt Ion: 43 Resp: 738

Ion Ratio Lower Upper

43 100

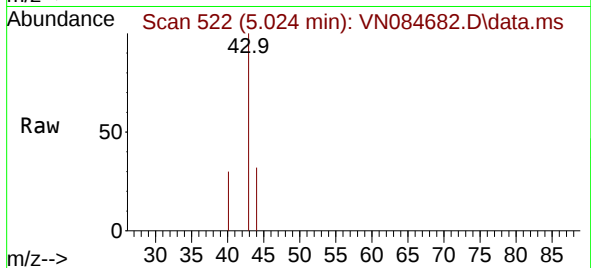
58 26.0 24.4 36.6



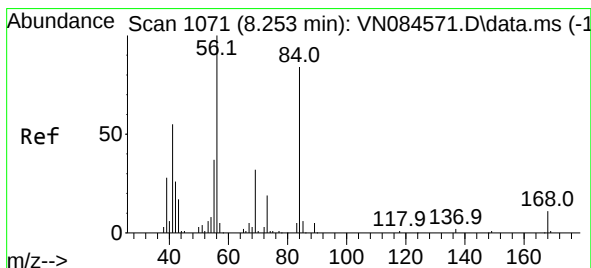
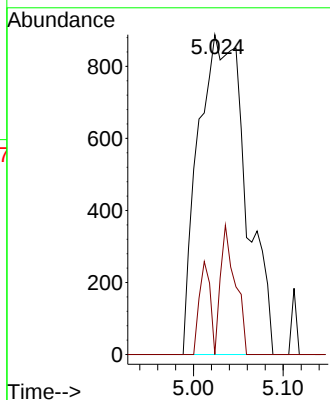
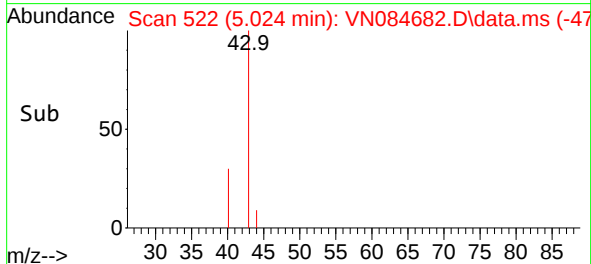


#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

Instrument :
MSVOA_N
ClientSampleId :

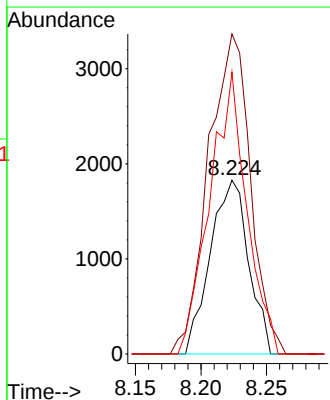
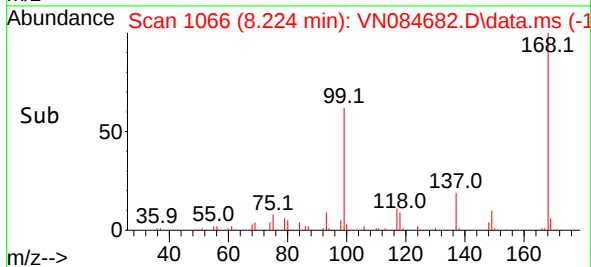
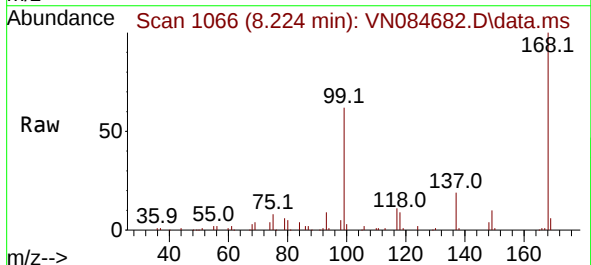


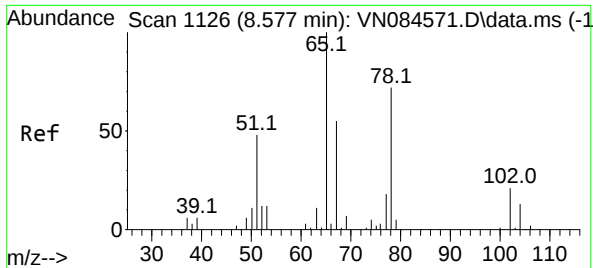
Tgt Ion: 43 Resp: 3256
Ion Ratio Lower Upper
43 100
74 12.7 19.2 28.8#



#31
Cyclohexane
Concen: 1.038 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

Tgt Ion: 56 Resp: 3712
Ion Ratio Lower Upper
56 100
69 175.8 23.8 35.6#
84 162.1 68.8 103.2#

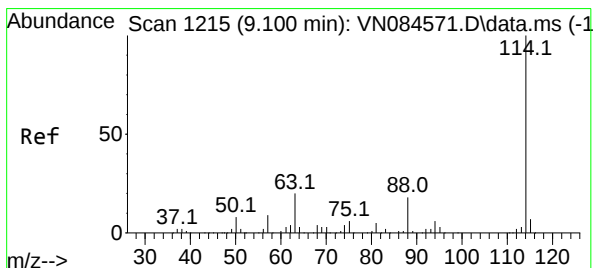
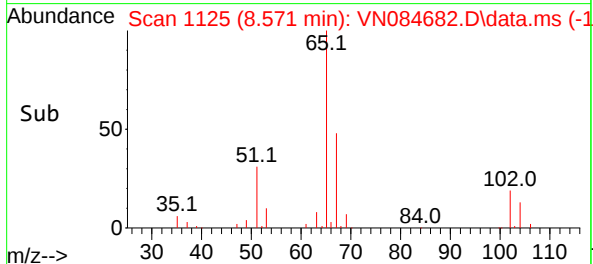
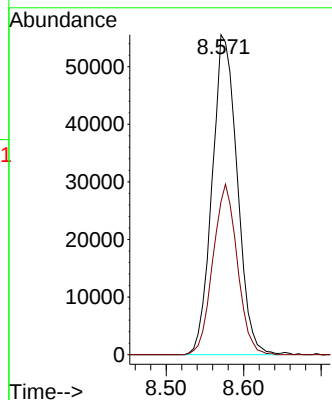
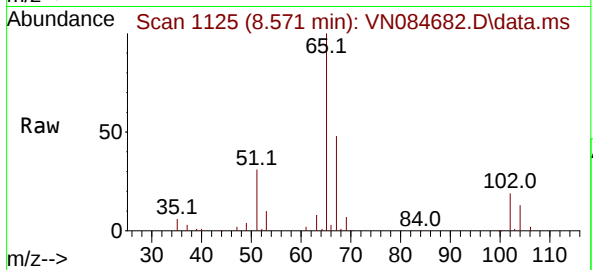




#33
 1,2-Dichloroethane-d4
 Concen: 48.342 ug/l
 RT: 8.571 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VN084682.D
 Acq: 05 Nov 2024 12:59

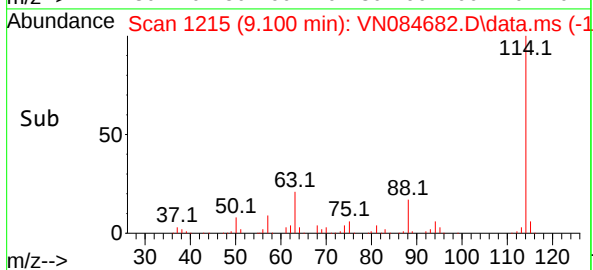
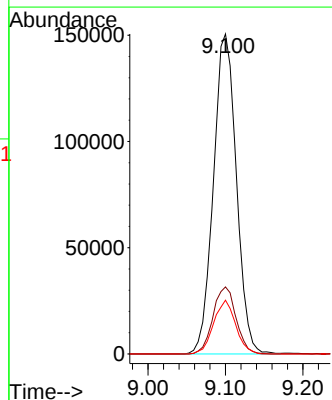
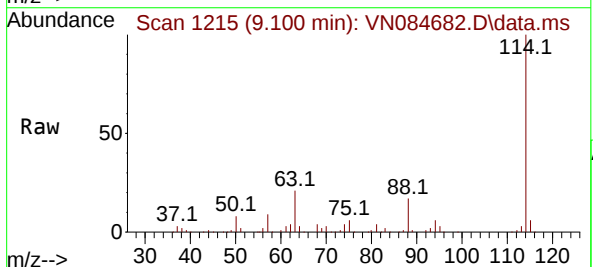
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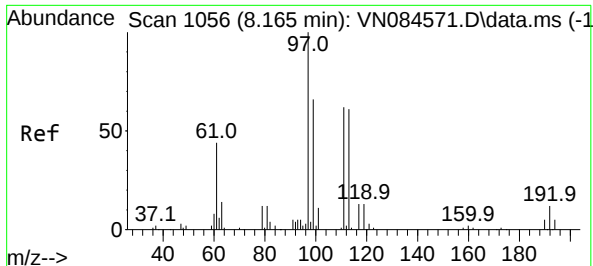
Tgt Ion: 65 Resp: 125169
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN084682.D
 Acq: 05 Nov 2024 12:59

Tgt Ion: 114 Resp: 309925
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.8
 88 16.8 0.0 31.6

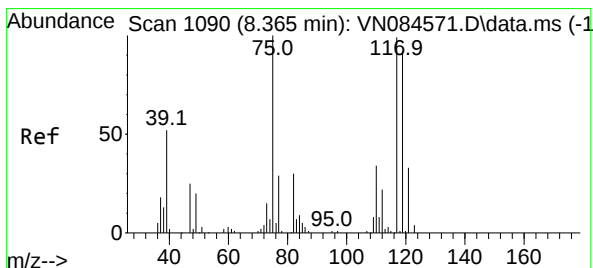
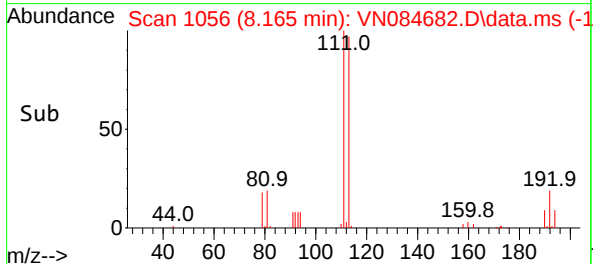
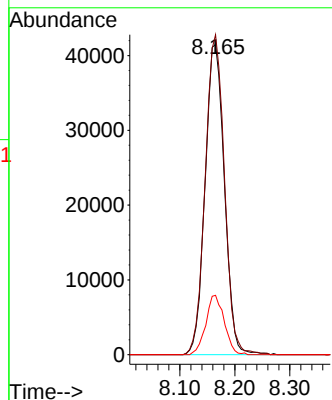
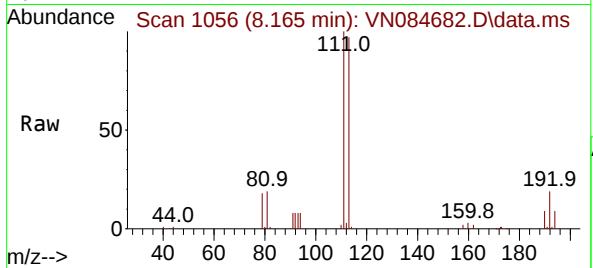




#35
Dibromofluoromethane
Concen: 48.343 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

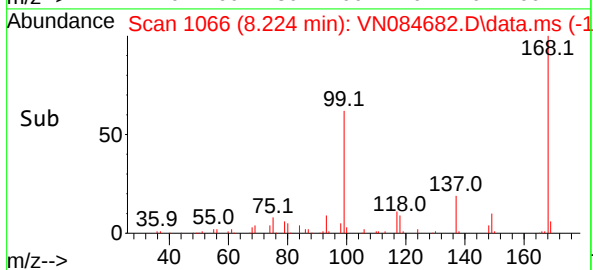
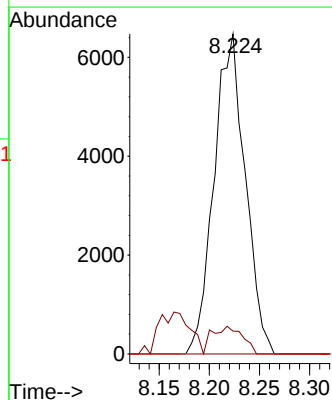
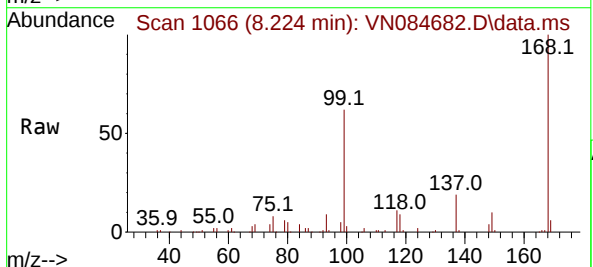
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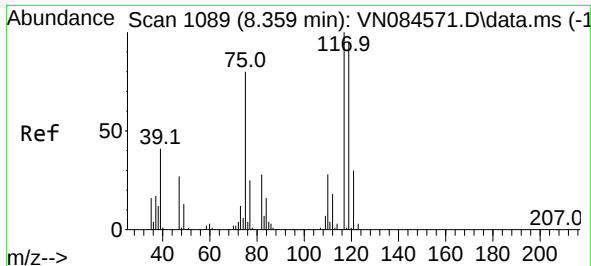
Tgt Ion:113 Resp: 101414
Ion Ratio Lower Upper
113 100
111 102.7 83.3 124.9
192 18.3 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.811 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

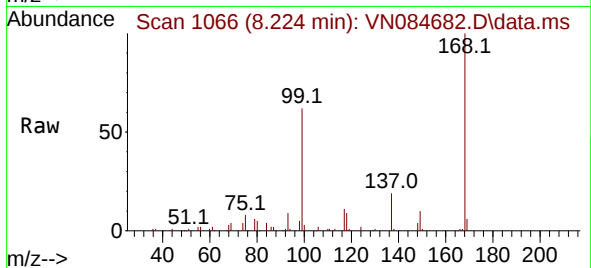
Tgt Ion: 75 Resp: 13996
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.7#
77 0.0 24.7 37.1#



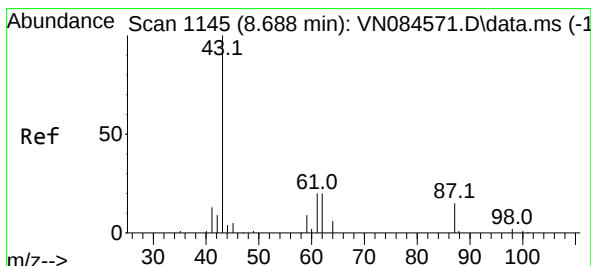
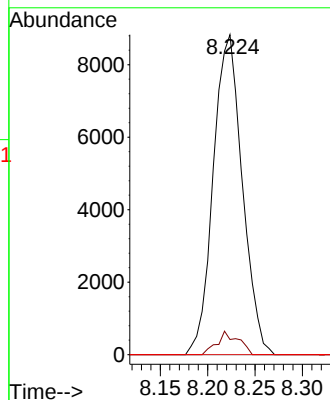
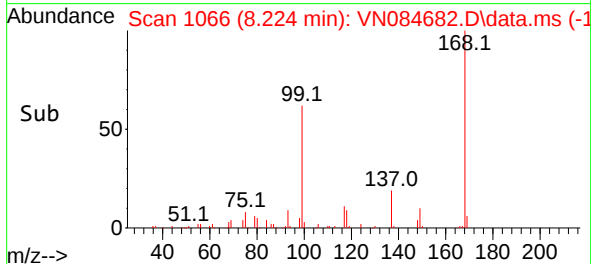


#38
Carbon Tetrachloride
Concen: 5.794 ug/l
RT: 8.224 min Scan# 1155
Delta R.T. -0.135 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

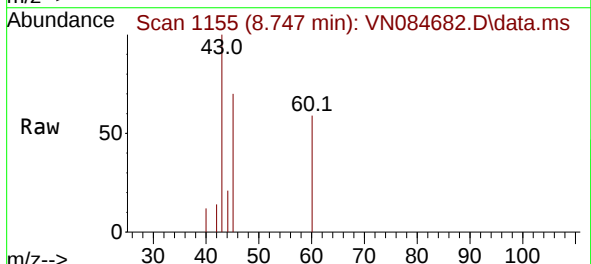
Instrument :
MSVOA_N
ClientSampleId :



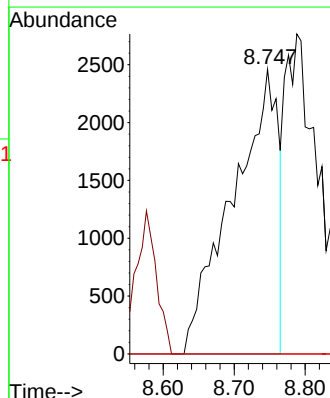
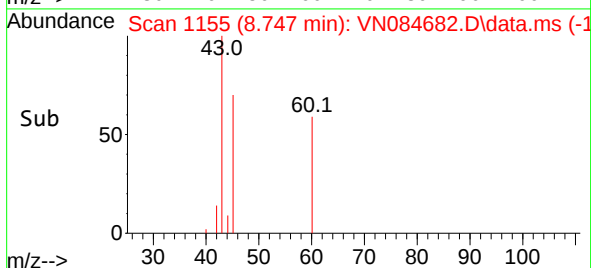
Tgt Ion:117 Resp: 18842
Ion Ratio Lower Upper
117 100
119 4.8 78.7 118.1#
121 0.0 24.4 36.6#

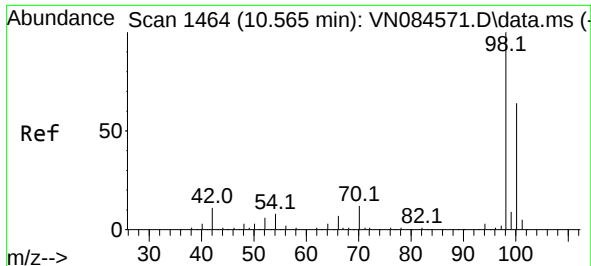


#43
Isopropyl Acetate
Concen: 1.302 ug/l
RT: 8.747 min Scan# 1155
Delta R.T. 0.059 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59



Tgt Ion: 43 Resp: 10935
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#

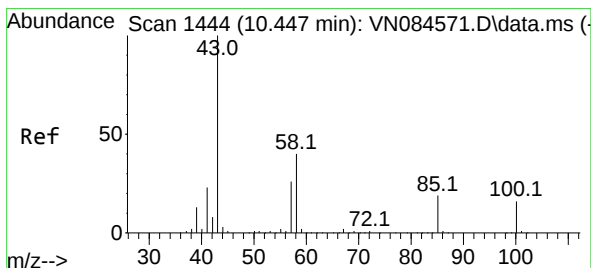
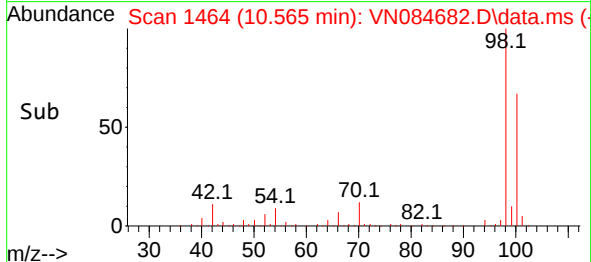
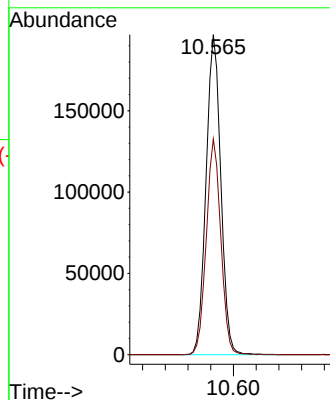
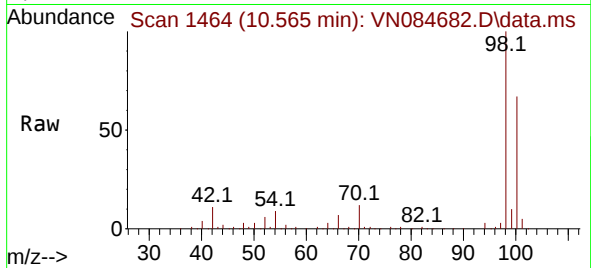




#50
Toluene-d8
Concen: 45.769 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

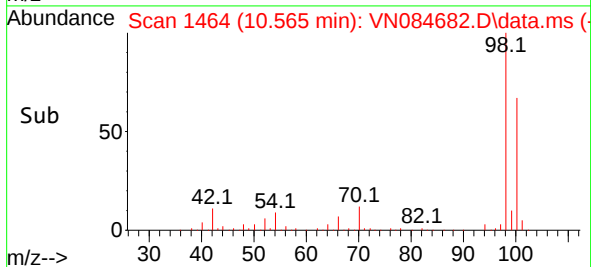
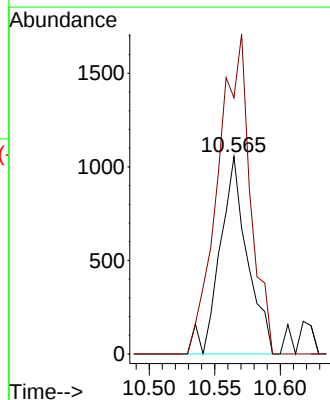
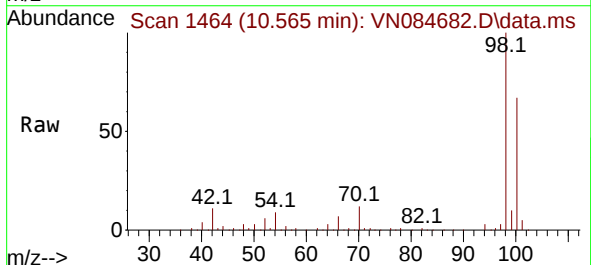
Instrument :
MSVOA_N
ClientSampleId :

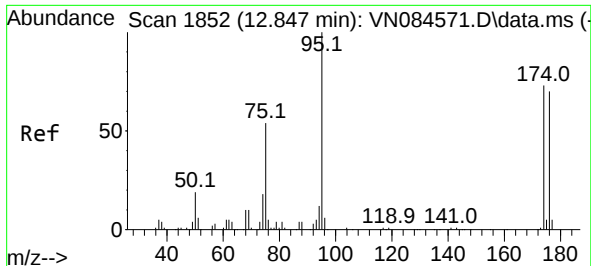
Tgt Ion: 98 Resp: 353686
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.608 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
58 191.1 31.6 47.4#

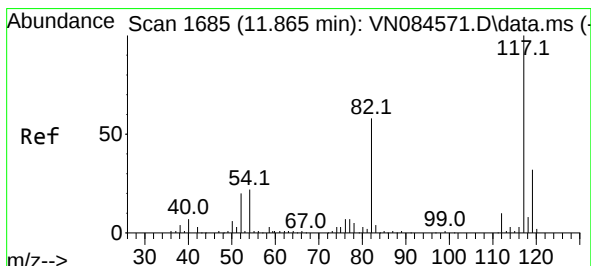
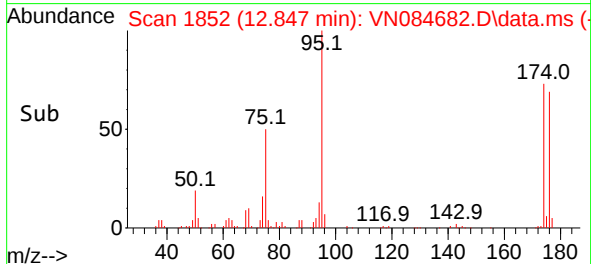
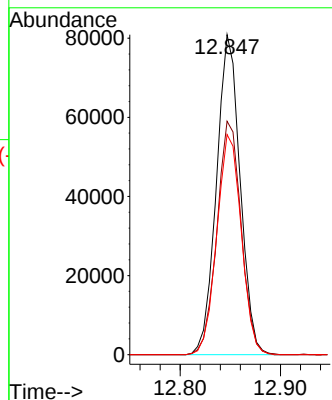
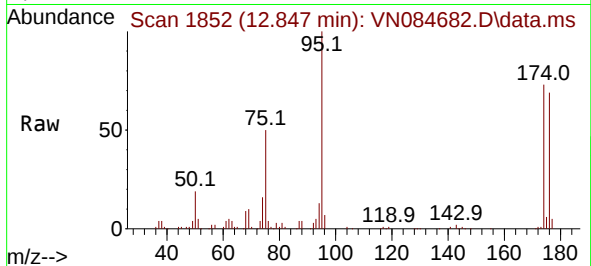




#62
4-Bromofluorobenzene
Concen: 45.765 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

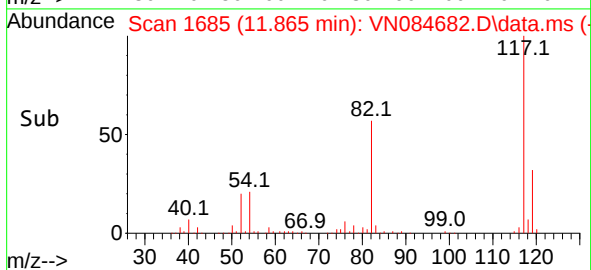
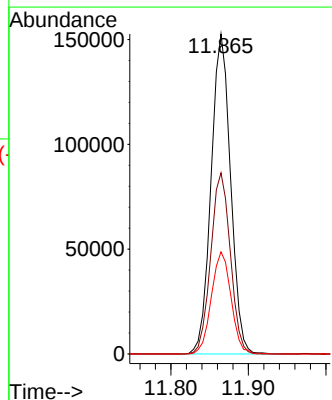
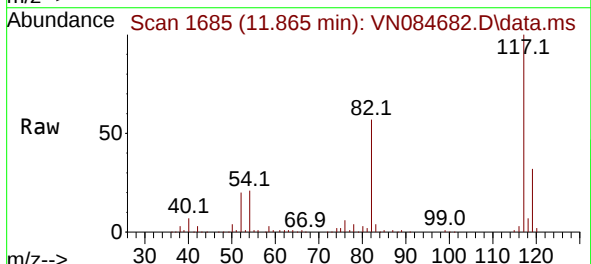
Instrument :
MSVOA_N
ClientSampleId :

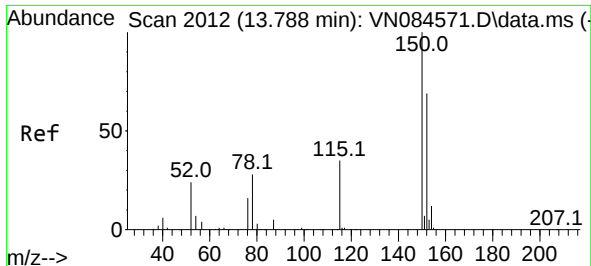
Tgt Ion: 95 Resp: 132173
Ion Ratio Lower Upper
95 100
174 74.7 0.0 145.2
176 71.1 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.001 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

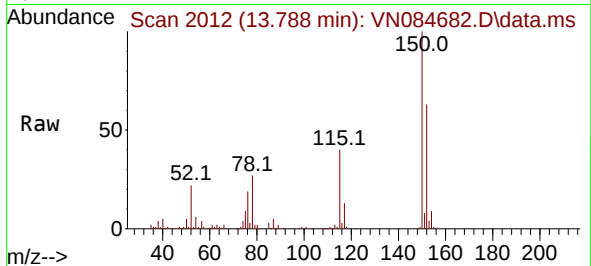
Tgt Ion: 117 Resp: 266676
Ion Ratio Lower Upper
117 100
82 56.6 47.2 70.8
119 31.9 25.4 38.0



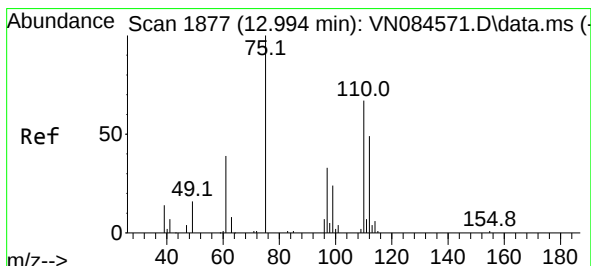
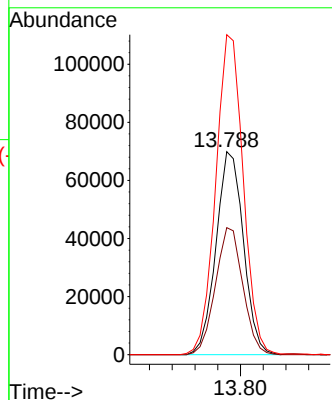
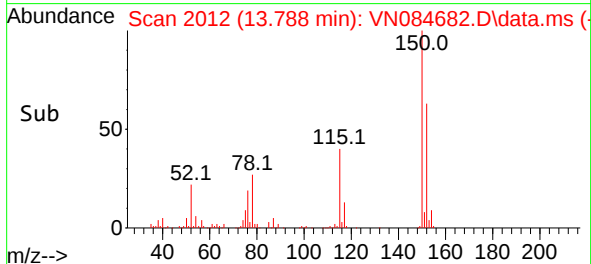


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN084682.D
 Acq: 05 Nov 2024 12:59

Instrument :
 MSVOA_N
 ClientSampleId :

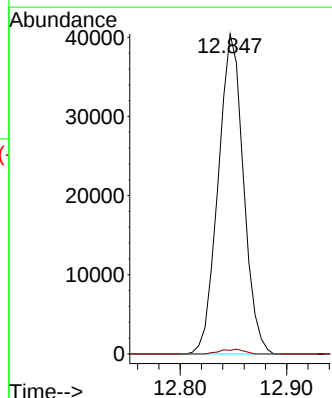
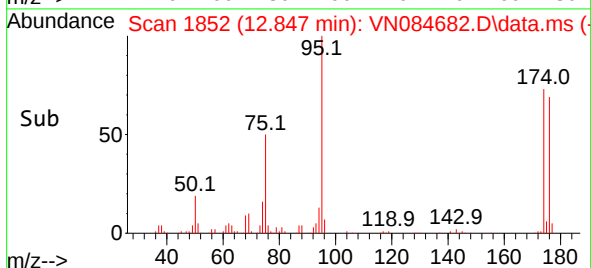
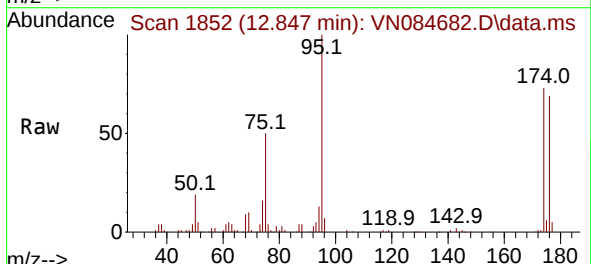


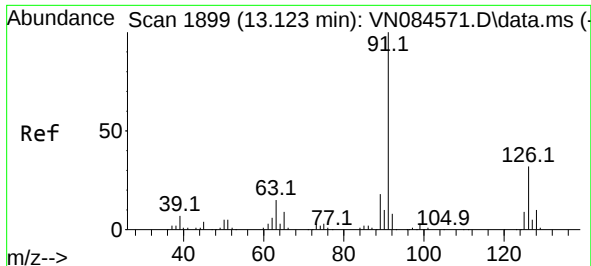
Tgt Ion:152 Resp: 117177
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.3 93.9
 150 158.4 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 28.385 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084682.D
 Acq: 05 Nov 2024 12:59

Tgt Ion: 75 Resp: 66486
 Ion Ratio Lower Upper
 75 100
 77 1.4 96.9 290.7#





#79

2-Chlorotoluene

Concen: 0.201 ug/l

RT: 13.217 min Scan# 1899

Delta R.T. 0.094 min

Lab File: VN084682.D

Acq: 05 Nov 2024 12:59

Instrument :

MSVOA_N

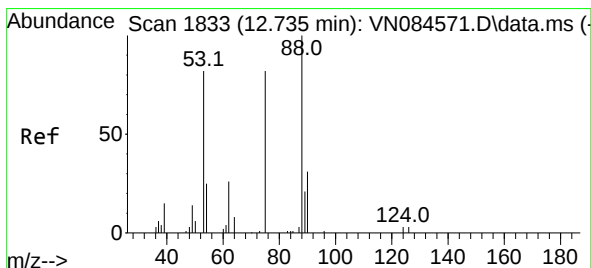
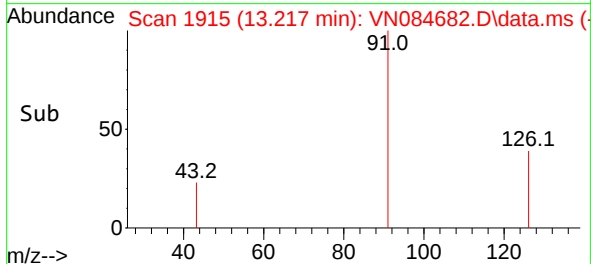
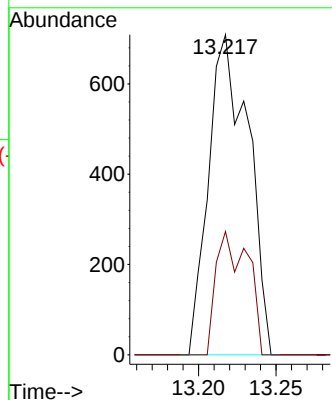
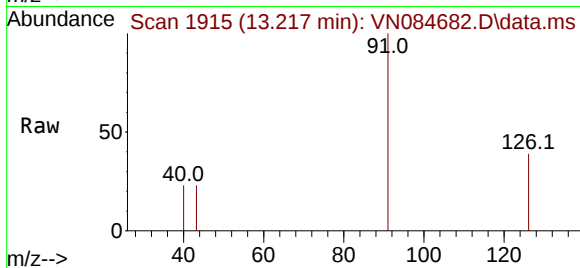
ClientSampleId :

Tgt Ion: 91 Resp: 1265

Ion Ratio Lower Upper

91 100

126 30.8 15.7 47.1



#81

trans-1,4-Dichloro-2-butene

Concen: 67.340 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN084682.D

Acq: 05 Nov 2024 12:59

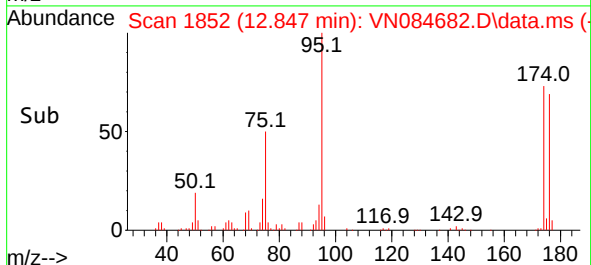
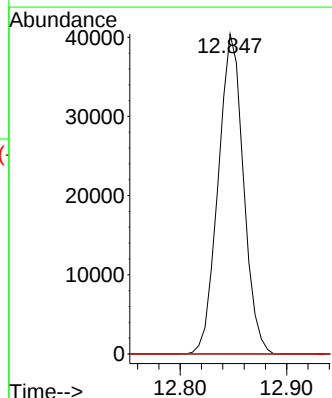
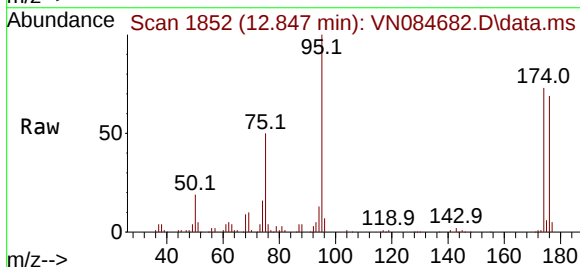
Tgt Ion: 75 Resp: 66486

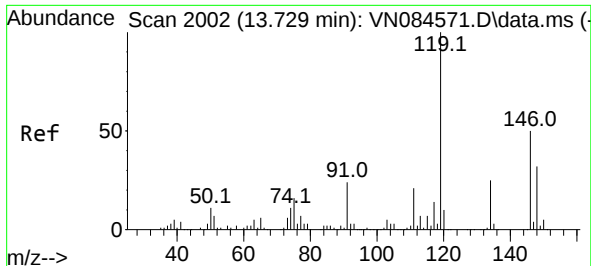
Ion Ratio Lower Upper

75 100

53 0.0 78.0 117.0#

89 0.0 35.5 53.3#





#87

1,3-Dichlorobenzene

Concen: 0.236 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. 0.000 min

Lab File: VN084682.D

Acq: 05 Nov 2024 12:59

Instrument :

MSVOA_N

ClientSampleId :

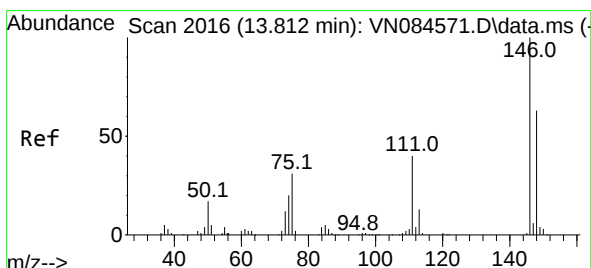
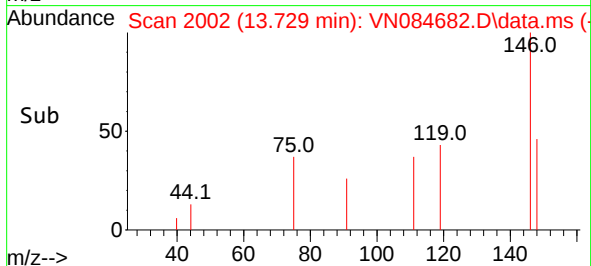
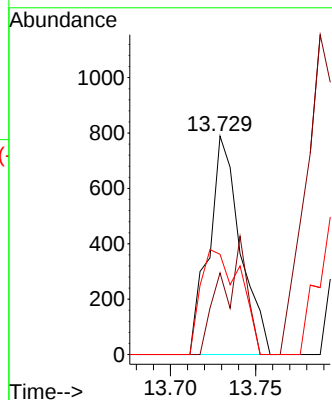
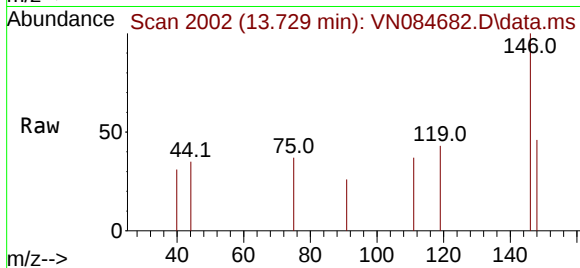
Tgt Ion:146 Resp: 1017

Ion Ratio Lower Upper

146 100

111 43.0 21.8 65.3

148 60.1 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.729 min Scan# 2002

Delta R.T. -0.083 min

Lab File: VN084682.D

Acq: 05 Nov 2024 12:59

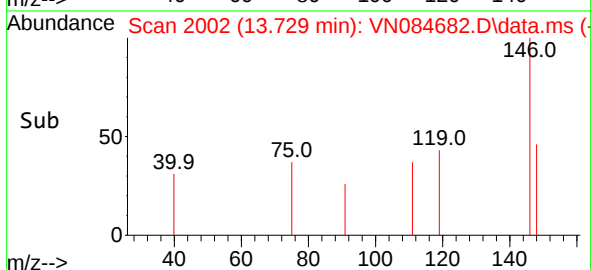
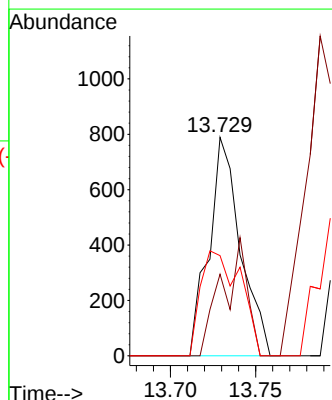
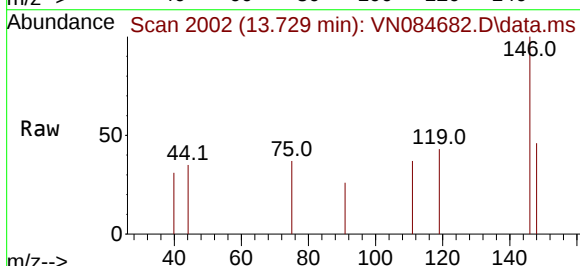
Tgt Ion:146 Resp: 1017

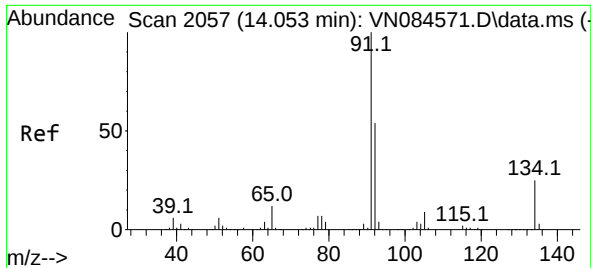
Ion Ratio Lower Upper

146 100

111 43.0 21.2 63.6

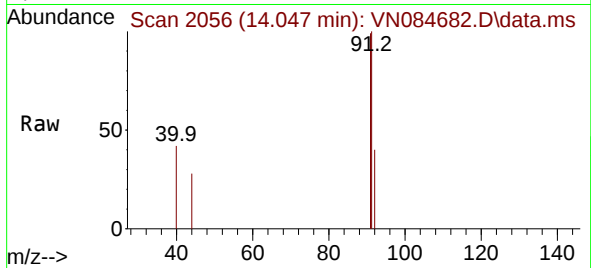
148 60.1 31.9 95.9



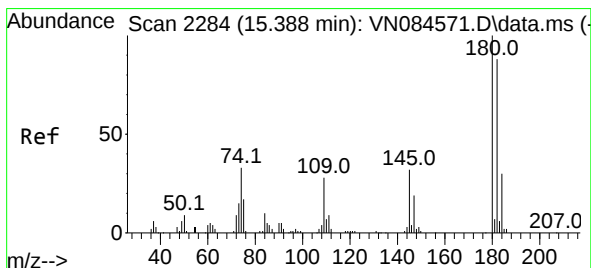
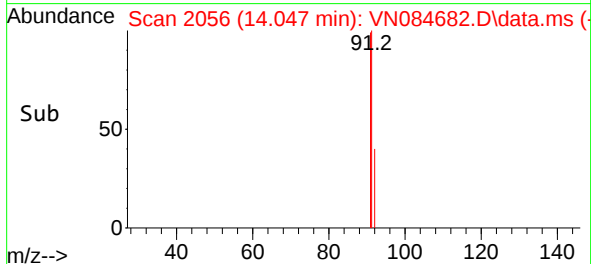
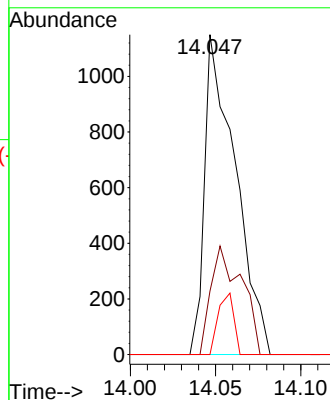


#89
n-Butylbenzene
Concen: 0.236 ug/l
RT: 14.047 min Scan# 2056
Delta R.T. -0.006 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

Instrument :
MSVOA_N
ClientSampleId :

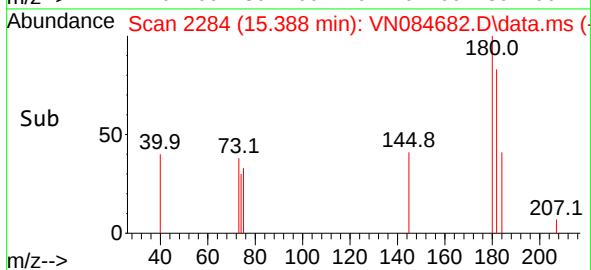
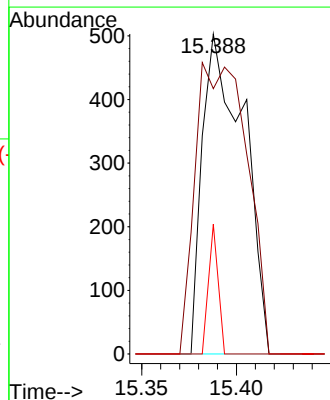
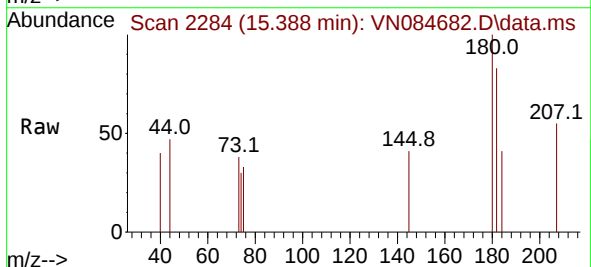


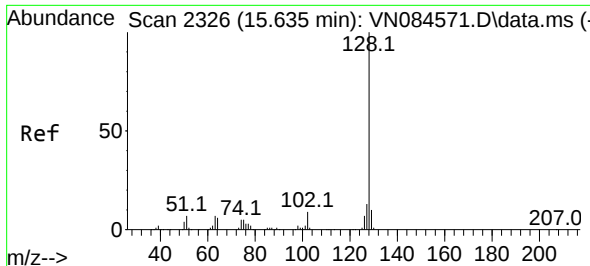
Tgt Ion: 91 Resp: 1441
Ion Ratio Lower Upper
91 100
92 33.9 26.6 79.7
134 9.7 12.3 36.9#



#93
1,2,4-Trichlorobenzene
Concen: 0.338 ug/l
RT: 15.388 min Scan# 2284
Delta R.T. -0.000 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

Tgt Ion: 180 Resp: 765
Ion Ratio Lower Upper
180 100
182 113.9 47.0 141.0
145 9.4 16.4 49.4#

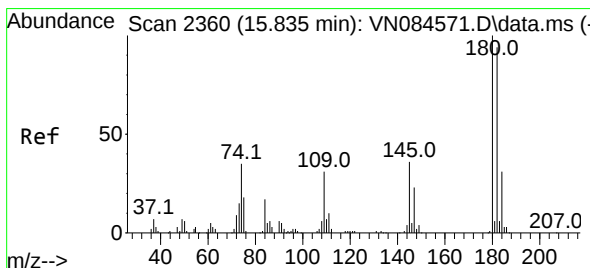
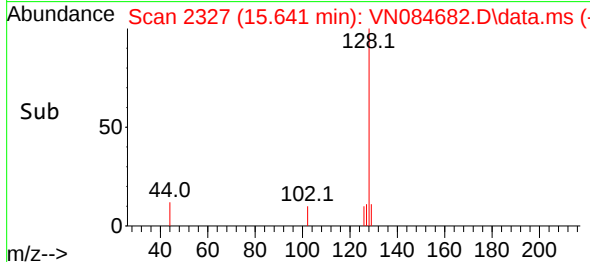
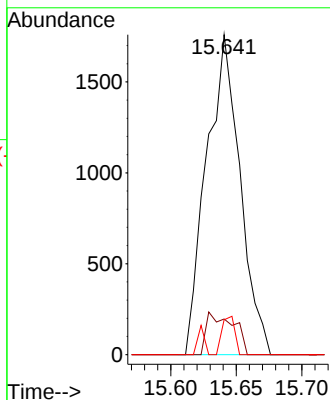
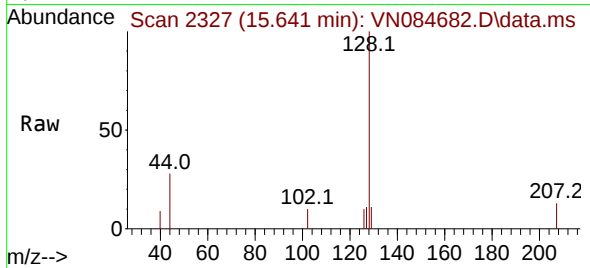




#95
Naphthalene
Concen: 0.462 ug/l
RT: 15.641 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:128 Resp: 3132
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 4.5 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 0.298 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VN084682.D
Acq: 05 Nov 2024 12:59

Tgt Ion:180 Resp: 656
Ion Ratio Lower Upper
180 100
182 111.1 48.2 144.6
145 8.7 17.3 51.9#

